

TO ARCHITECTS, BUILDERS, CONTRACTORS, &c

1-8th thick, or 3 lbs. to the foot; 2-16ths, or 3 lbs.; and 1-4th, or 6 lbs. to the foot, per
**RIDGE AND FURROW ROOFS, GREENHOUSES, RAILWAY STATIONS, ENGINE SHEDS, MILLS, MARKET HALLS, AND
 PUBLIC BUILDINGS GENERALLY.**

ROUGH PLATE GLASS THAT COMBINES SIZE AND STRENGTH WITH ECONOMY OF COST.

THE PATENT ROUGH PLATE is manufactured in sizes especially for Ridges and Furrows, giving a span of from 8 to 18 feet, at a price not exceeding weight for weight that of common Oregon Glue. It is not transparent, blinks are unnecessary, and when set it is firm enough to bearing strains. Its SUSTAINMENT and strength render it especially valuable for the glazing of Conservatories and Roofs of all kinds; also Fountains, Whirlpools, Waterfalls, &c., for which purposes it is supplied in squares of all sizes, from 8 by 8 inches and upwards. For further information apply to Messrs. JAMES DUNCAN and CO. Limited, 10, Abchurch Lane, LONDON, E.C. 4.

N.B.—The Patent Rough Plate is supplied at a much lower cost than the common Rough Plate. Apply J. 1851.

HARTLEY'S PATENT QUARRY GLASS.

Of these instruments, in long lengths: an economical substitute for lead lights. The attention of Architects, Builders, and others is particularly requested to this beautiful article; samples of which may be seen at

JOSEPH CHATOR AND SON'S, ST. DUNSTAN'S-HILL, TOWER-STREET, LONDON.

1. Best crown glass varying from 20 by 20 to 44 by 20, at 25c. doz. to 40c. per sq. ft. of very superior quality. Stained glass from 10 per foot; Commercial glass from 1c. per foot. Every article in the glass line. — JAMES FRIEDMAN and CO., Glass Merchants, Ltd. Minneapolis-St. Paul, Wis.

Gallery, France, of the Great Exhibition.—The firm of MARECHAL and GIGNON, Stained Glass Works, Nîmes, France, will henceforth be represented by M. CARTIGNER, Royal Patent Decorative Glass Works, 11, Castle-street, Southwark. M. MARECHAL will remain in Tournaie ready to direct orders up to the 30th of October, at 34, Luke-street, Leicester-square.

M. Davies corr't. Bartholomew-square, begs to acquaint Builders and the Trade, he is Glazing Master with CROWN or SHEET GLASS, at 1s. per ft 4 sup. Every description of Glass used to stand in water, may be had at the very lowest remunerative prices. Ornamental and Stained Glass in every variety.—T. Evans Cash.

Long a.c.v. best to inform builders and others they can be supplied with good crown glass, in crests, 1/2 in.; ground, in sheets, 1/2 in.; cut, 1/2 in.; double ruby and blue, 1/2 in.; pot metals, 1/2 in.; tinted is shown. 1/2 in. double printed and glazed at 2d. per foot lights from 1/2 in. Belgian sheet and German crown, to 250 feet crown, as imported. Terms, cash.

to inform my friends and the public that I have now completed a new **SHOPS** and, owing to the facility with which I can execute orders, I am enabled to make my prices very considerably. The prices are now from **ONE SHILLING PER PAIR SUP.** and upwards from **SIXPENCE PER FOOT RUN**. A large quantity of the cheapest patterns always in stock. Rushing and special work on the most moderate terms. **CHARLES WING**, 50, 1, King-street, Baker-street, Portman-square. Cash only.

It is a misnomer of Builders and the Trade to the LOW PRICES
of their PATENT PLATE GLASS, BRITISH PLATE GLASS, clear
and for coloring, of unvarnished quality and finish: ROUGH PLATE
GLASS, SEAMY, COLOURED, and ORNAMENTAL GLASS.
 In every variety, of the best manufacture, at the lowest prices.
 For house and church windows, for small and large panes,
 for bowers and church decorations. All applications for estimates
 and lists of prices to be made of their warehouses, 113, OXFORD
STREET.

SQUARE ALFRED COLLETT begs to inform Architects, Builders, and the trade generally, that he is prepared to forward contracts for the following descriptions of Glass under application—
—BRITISH PLATE GLASS, of the finest quality and finish
PATENT PLATE GLASS; **ORNAMENTAL GLASS**, of all descriptions; **COLORLED GLASS**; **ROUGH PLATE GLASS**, 3-6, 1 and 1/2 inch thick; **PATENT MOLDED ROUGH PLATE**, 3-6 and 1 inch thick; **CROWN SHEET**, and **HORTICULTURE GLASS**, of all descriptions, as ordered, manufactured in **BRITAIN**.
BELGIAN SHEET GLASS, in cases containing 100 feet each, ordered at 1/11, 1/12, 1/13, 1/14, 1/15, 1/16, 1/17, 1/18, 1/19, 1/20, 1/21, 1/22, 1/23, 1/24, 1/25, 1/26, 1/27, 1/28, 1/29, 1/30, 1/31, 1/32, 1/33, 1/34, 1/35, 1/36, 1/37, 1/38, 1/39, 1/40, 1/41, 1/42, 1/43, 1/44, 1/45, 1/46, 1/47, 1/48, 1/49, 1/50, 1/51, 1/52, 1/53, 1/54, 1/55, 1/56, 1/57, 1/58, 1/59, 1/60, 1/61, 1/62, 1/63, 1/64, 1/65, 1/66, 1/67, 1/68, 1/69, 1/70, 1/71, 1/72, 1/73, 1/74, 1/75, 1/76, 1/77, 1/78, 1/79, 1/80, 1/81, 1/82, 1/83, 1/84, 1/85, 1/86, 1/87, 1/88, 1/89, 1/90, 1/91, 1/92, 1/93, 1/94, 1/95, 1/96, 1/97, 1/98, 1/99, 1/100, 1/101, 1/102, 1/103, 1/104, 1/105, 1/106, 1/107, 1/108, 1/109, 1/110, 1/111, 1/112, 1/113, 1/114, 1/115, 1/116, 1/117, 1/118, 1/119, 1/120, 1/121, 1/122, 1/123, 1/124, 1/125, 1/126, 1/127, 1/128, 1/129, 1/130, 1/131, 1/132, 1/133, 1/134, 1/135, 1/136, 1/137, 1/138, 1/139, 1/140, 1/141, 1/142, 1/143, 1/144, 1/145, 1/146, 1/147, 1/148, 1/149, 1/150, 1/151, 1/152, 1/153, 1/154, 1/155, 1/156, 1/157, 1/158, 1/159, 1/160, 1/161, 1/162, 1/163, 1/164, 1/165, 1/166, 1/167, 1/168, 1/169, 1/170, 1/171, 1/172, 1/173, 1/174, 1/175, 1/176, 1/177, 1/178, 1/179, 1/180, 1/181, 1/182, 1/183, 1/184, 1/185, 1/186, 1/187, 1/188, 1/189, 1/190, 1/191, 1/192, 1/193, 1/194, 1/195, 1/196, 1/197, 1/198, 1/199, 1/200, 1/201, 1/202, 1/203, 1/204, 1/205, 1/206, 1/207, 1/208, 1/209, 1/210, 1/211, 1/212, 1/213, 1/214, 1/215, 1/216, 1/217, 1/218, 1/219, 1/220, 1/221, 1/222, 1/223, 1/224, 1/225, 1/226, 1/227, 1/228, 1/229, 1/230, 1/231, 1/232, 1/233, 1/234, 1/235, 1/236, 1/237, 1/238, 1/239, 1/240, 1/241, 1/242, 1/243, 1/244, 1/245, 1/246, 1/247, 1/248, 1/249, 1/250, 1/251, 1/252, 1/253, 1/254, 1/255, 1/256, 1/257, 1/258, 1/259, 1/260, 1/261, 1/262, 1/263, 1/264, 1/265, 1/266, 1/267, 1/268, 1/269, 1/270, 1/271, 1/272, 1/273, 1/274, 1/275, 1/276, 1/277, 1/278, 1/279, 1/280, 1/281, 1/282, 1/283, 1/284, 1/285, 1/286, 1/287, 1/288, 1/289, 1/290, 1/291, 1/292, 1/293, 1/294, 1/295, 1/296, 1/297, 1/298, 1/299, 1/300, 1/301, 1/302, 1/303, 1/304, 1/305, 1/306, 1/307, 1/308, 1/309, 1/310, 1/311, 1/312, 1/313, 1/314, 1/315, 1/316, 1/317, 1/318, 1/319, 1/320, 1/321, 1/322, 1/323, 1/324, 1/325, 1/326, 1/327, 1/328, 1/329, 1/330, 1/331, 1/332, 1/333, 1/334, 1/335, 1/336, 1/337, 1/338, 1/339, 1/340, 1/341, 1/342, 1/343, 1/344, 1/345, 1/346, 1/347, 1/348, 1/349, 1/350, 1/351, 1/352, 1/353, 1/354, 1/355, 1/356, 1/357, 1/358, 1/359, 1/360, 1/361, 1/362, 1/363, 1/364, 1/365, 1/366, 1/367, 1/368, 1/369, 1/370, 1/371, 1/372, 1/373, 1/374, 1/375, 1/376, 1/377, 1/378, 1/379, 1/380, 1/381, 1/382, 1/383, 1/384, 1/385, 1/386, 1/387, 1/388, 1/389, 1/390, 1/391, 1/392, 1/393, 1/394, 1/395, 1/396, 1/397, 1/398, 1/399, 1/400, 1/401, 1/402, 1/403, 1/404, 1/405, 1/406, 1/407, 1/408, 1/409, 1/410, 1/411, 1/412, 1/413, 1/414, 1/415, 1/416, 1/417, 1/418, 1/419, 1/420, 1/421, 1/422, 1/423, 1/424, 1/425, 1/426, 1/427, 1/428, 1/429, 1/430, 1/431, 1/432, 1/433, 1/434, 1/435, 1/436, 1/437, 1/438, 1/439, 1/440, 1/441, 1/442, 1/443, 1/444, 1/445, 1/446, 1/447, 1/448, 1/449, 1/450, 1/451, 1/452, 1/453, 1/454, 1/455, 1/456, 1/457, 1/458, 1/459, 1/460, 1/461, 1/462, 1/463, 1/464, 1/465, 1/466, 1/467, 1/468, 1/469, 1/470, 1/471, 1/472, 1/473, 1/474, 1/475, 1/476, 1/477, 1/478, 1/479, 1/480, 1/481, 1/482, 1/483, 1/484, 1/485, 1/486, 1/487, 1/488, 1/489, 1/490, 1/491, 1/492, 1/493, 1/494, 1/495, 1/496, 1/497, 1/498, 1/499, 1/500, 1/501, 1/502, 1/503, 1/504, 1/505, 1/506, 1/507, 1/508, 1/509, 1/510, 1/511, 1/512, 1/513, 1/514, 1/515, 1/516, 1/517, 1/518, 1/519, 1/520, 1/521, 1/522, 1/523, 1/524, 1/525, 1/526, 1/527, 1/528, 1/529, 1/530, 1/531, 1/532, 1/533, 1/534, 1/535, 1/536, 1/537, 1/538, 1/539, 1/540, 1/541, 1/542, 1/543, 1/544, 1/545, 1/546, 1/547, 1/548, 1/549, 1/550, 1/551, 1/552, 1/553, 1/554, 1/555, 1/556, 1/557, 1/558, 1/559, 1/560, 1/561, 1/562, 1/563, 1/564, 1/565, 1/566, 1/567, 1/568, 1/569, 1/570, 1/571, 1/572, 1/573, 1/574, 1/575, 1/576, 1/5

BUILDERS and the Trade that he can supply them with **FOREIGN and ENGLISH WINDOW GLASS**, Plain and Coloured, of every description. **ROUGH PLATE GLASS** from 1 inch to 1 inch thick. **Glass Panes**, **Slates**, **Ac. White Lead**, **Paints**, **Colours**, **Oils**, **Varnishes**, **Brushes**, **&c.**; **Milled** and **Sheet Lead**, **Lead Pigs** from 1 inch to 44 inches bore; **Isidur**, **Water-closets**, **Baths**, **Plumbers** and **Iron Work** of every description, and upon the very best terms. **Glass Ornamental Shades**, **Mild and Proper** **Gilding** and **See Glasses**.—**Address**, **W. B. BAKER**, 100 West Without.

See **Advertisement**, **February**, **June** 24, 1871.

COATHPIPE and CO. Covers and Sheet Glass Manufacturers, 3 Adams, near Bristol, beg to inform Engineers and others that they are supplying Glass Pipes, with their joints from 1 to 12 inches in diameter, in lengths of 7 to 12 feet, being made of the best quality of glass, and their diameters increase. These pipes may be seen at the Exhibition, with their various forms and modes of joining in Sec. 7, Class 12, and reference can be given of their great utility in numerous localities where they have been successfully employed. The great advantage of this pipe for the conveyance of water over any metallic substance has been too largely demonstrated by modern and scientific authorities in scientific and public companies.

L MINING COMPANY, is the parent known, free from all
of iron, lead, or sulphur. It is supplied in spelter for brass
foundries, &c., and is also used for ship chandling and roofing of all
kinds, and built of all dimensions. It may be had at the following
Agents, who have always a large stock to hand:
London—Messrs. Charles Dorman and Co.; Mr. Charles Jack

Leeds—Messrs J. G. and Y. Manges.
Liverpool—Messrs Thomas H. Morley and Co.
Newcastle-upon-Tyne—Mr. Benjamin Farnham.
Salford—Messrs Robert Ashton and Co.
Glasgow—Messrs A. G. Thomson and Co.
Bristol—Messrs Messrs McArthur and Co.
Southampton—Messrs James, Marshall and Co.
South Shields—Mr. W. J. Lawrence.
Preston—William F. Stanley.

thirty sheep or an ox or a horse and
these are made of the
skins of the
Camels of the
Arabian Peninsula.

THE ENRICHMENTS IN COMPOSITION, CEMENT, or PLASTER, cannot have better operated with time than that produced by WM. SMART, jun., of 12 CHURCH STREET, FINSBURY who will be happy to give Estimates for work of any magnitude at a reduced scale of charges. Architects' designs modified with precision, and generally truthfully carried out. Established in the family three-fourths of a century.

PAINTED IN A FEW HOURS, AND PAPERED WITHIN A COUPLE OF DAYS—CHARLES FRANCIS and SONS, Patenters, New Elm, London.

LIAB. CERTIFICATE - The above possess every esementation property, in an eminent degree, and are unequalled for all hydramk purposes.

BRICK BEAM at the EXHIBITION

BASE-IRON.—For diagram and description of this beam constructed of Portland Cement and Hollow Bricks, broken down with a weight of 48,000 lbs., 21st September, 1861, in presence of the Jury of Class 27.—See *The Builder*, Sept. 17, No. 451; and *Times and Chronicle*, Sept. 22, "Exhibition Article."

MILLBANK STREET, Westminster,
Manufacture **PORTLAND CEMENT** of the best quality.

ATKINSON (EMST), made from Whisky stone, supplied
from the **Malvern Estate;** and **MAHON CEMENT,** made
from **Shropshire and Harwich stone.**

These cements are all used for various purposes, either for

KENNEDY CEMENT!
 PARIAZ ORMENT!
 FREYSON PLASTER!

Warehouses in London:—
 Milbank street, Westminster;
 South Wharf Road, Paddington;
 Earl street, Blackfriars; and at
 Peel street, Liverpool.

Imperial Measure. QUANTITY, NOT WEIGHT, BEING THE STANDARD—CHAS. FRANCIS and SONS, Cement Works, Nine Elms, London.

[illegible][illegible]

**WITHOUT SIZE OR OTHER CORRUPTIBLE
INGREDIENT.**

to the notice of the Trade and the Public generally, as possessing every advantage over the common Lime Wash or Water Colour is **STUCCO or BRICK WORK.** It is a fine Colour, and may be tinted to any color—**DON'T WASH OFF**—is perfectly dry in twenty-four hours, and being a non-absorbent, is admirably adapted for Railway Station, Under Workmen, Barrows, Railroads, Platforms, etc. One coat will cover the square yards. It will not wash off, and **MAY BE REPAIRED** with **WATER** and **STUCCO** and **PAINT** as usual.

The name of the PARTY are well known for its application
to those who are in the field, and who are working hard
to make the world a better place.

[illegible]

PARIS WORKS
THOS FARRER and CO.,

TERCANTY WHARF, Newn's Canal, Kingsland-road, LONDON
DEPOTS—QUEEN'S WHARF, Great Cambridge-street, H.A.

S.B. LATH, TILER, PAVING BRICKS, PLASTERERS;
HAIR, ARTIFICIAL STONE, POTTERY WARE &c &c

TIME WORKS, WOULDHAM, DEAR
ROCHESTER

WOLFEHAM, in the MIDWAY of No. J. W. LINDRIDGE
and are now prepared to supply GREY, CHALK, and FLAKE
LIME upon very reasonable terms, either by the barge drawn
from their Works, or to small quantities from their Works
via TUNCAT WHARF, REGENT'S CANAL, KINGSLAND
ROAD, London; QUEEN'S WHARF, ^{Down} Kingsbridge-street,
BLACKFRIAR ROAD; KING'S WHARF, NEW WHARF ROAD,
RATTLE BRIDGE.

On special manner in which the above is ground water it cheaper for concrete or stucco than any other lime or cement. The shell time for mortar is burnt on an improved principle, leaving scarcely any core. The manufacture constantly supervised by Harborside Architects, and Contractors, of the above, is held recommendation.

Gibbs, Caniney, and Co's Blue Vitified Bricks Types, J. S. H. G. Kenda, and Fire House.

Roman, Portland, Parian, Anston, and Lime Cement of the best quality.

GREY-STONE LIME.—HALL, Brothers,

Grey-Sand Lime	sq. yd.	per Yrd.	on 25	Bastins
Putty, for Moulding	cu. yd.	ditto		ditto
Putty, Ashes.....	sq. yd.	ditto		ditto
Black ditto	sq. yd.	ditto		ditto

the times daily, at the Brighton Arms and Croydon Stations, and delivered to all parts.

Prices for Cash on delivery:—7s per yard at the stations; 6s works; 5s per yard delivered within 50 miles; in sea low 4s 3d yard quantities. Shipping 6s per yard; in port yard off, if paid monthly. Collection charged for The Quality is warranted to be the Best.—A. Adams, Wemham, near Margate, Croydon; or You'll where Old Kent-road.

[illegible]

KURBIN TUBING, for One Million Chemical Purposes
Fire Engines, Motors, Pumps, etc. JAMES LYTLE HANCOCK
Sole Manufacturers and Dealers, Garfieldville, Garfield road
 Laramie, Wyo. To attract the attention of Architects, Builders,
 Engineers, and the general public, we have a stock of 10-inch
 regular tubing, which is now manufactured from 10-inch
 and upwards, in lengths from 10 to 100 feet, and of various strengths
 suitable for the purposes for which it is used. **VULCANIZING**
HOSE for FIRE ENGINES, JACOB LAMURE, and for
STEAM WATER to RANNEY'S DWELLING, BIRMINGHAM
HAWKINS
 length and size to order.

WE VOLUNTEERS WASHINGTON AND ROBERT M. BROWN
Steam and Hot Water Pipes, and Fittings for Pumps and General
Kinds of Steam Engines, and any size to order.